



2800 S 9/15  
Receipt #7

Docket No.: 21295/17 (102847-30)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Werner Knebel and Joachim Bradl

**EXAMINER:** Allen, Stephone B.      **GROUP ART UNIT:** 2878

**SERIAL NO.:** 109/681,019      **CONFIRMATION NO.:** 8722

**FILED:** November 28, 2000

**FOR:** *Method for Optical-Light Scanning of a Specimen; and Scanning Microscope for Scanning a Specimen*

**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Office of Initial Patent Examination, Customer Service Center, Assistant Commissioner for Patents, Washington D.C. 20231 on:

By:

Deborah Celeste

Date

*April 3, 2003*

Office of Initial Patent Examination  
Customer Service Center  
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Washington D.C. 20231

**REQUEST FOR CORRECTION OF FILING RECEIPT**

Sir:

Two errors were noted on the Official Filing Receipt for the above-referenced Patent Application as follows:

**IND Claims**

3 should be 2

-2-

**Foreign Applications:**

Should read:

**This Application claims priority from German Application DE 199 57 418.9 filed on November 29, 1999.**

A copy of the filing receipt with corrections noted in red is enclosed. The continuity data was provided in the "Related Applications" paragraph of the specification (copy attached) and the priority date was provided in the Application Data Sheet (the serial number was cut off when submitted electronically – see attached). The priority document was filed on January 3, 2001. Kindly correct the error and issue a corrected filing receipt.

Respectfully submitted,

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Dated: April 3, 2003  
#1193396 - 2129517



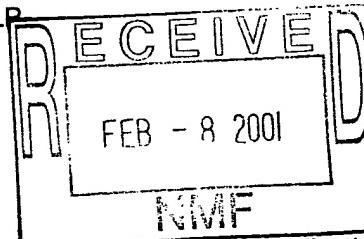
## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/681,019	11/28/2000	2877	1088	102847-30 ✓	2	41	-2

21125

NUTTER MCCLENNEN & FISH LLP  
ONE INTERNATIONAL PLACE  
BOSTON, MA 02110



MME  
FILING RECEIPT



\*OC00000005736598\*

Date Mailed: 02/05/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Werner Knebel, Kronau, GERMANY;  
Joachim Bradl, Schriesheim, GERMANY;

**Continuing Data as Claimed by Applicant****Foreign Applications**

This Application claims priority from  
DE 199 57 418.9 filed on 11/29/99

If Required, Foreign Filing License Granted 02/05/2001

**Title**

Method for optical-light scanning of a specimen; and scanning microscope for scanning a specimen

**Preliminary Class**

356

Data entry by : WILLIAMS, THERESA

Team : OIPE

Date: 02/05/2001



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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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# APPLICATION DATA SHEET

# COPY

Electronic Version 0.0.11

Stylesheet Version: 1.0

Publication Filing Type:

new-utility

Application Type:

utility

Title of Invention:

METHOD FOR OPTICAL-LIGHT SCANNING OF A SPECIMEN; AND  
SCANNING MICROSCOPE FOR SCANNING A SPECIMEN

Attorney Docket Number:

102847-30

Attorney Docket Number: 102847-30

Customer Number Attorney:

21125

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Customer Number Correspondence Address:

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Foreign Priority:

DE 1999-11-29

Priority Claimed

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# SPECIFICATION

COPY

Electronic Version 1.2.8  
Stylesheet Version 1.0

## *METHOD FOR OPTICAL-LIGHT SCANNING OF A SPECIMEN; AND SCANNING MICROSCOPE FOR SCANNING A SPECIMEN*

### Cross Reference to Related Applications

This invention claims priority of a German patent application DE-199 57 418.9 which is incorporated by reference herein.

### Background of Invention

[0001] The present invention refers to a method for optical-light scanning of a specimen, preferably in scanning microscopy, in particular in confocal laser scanning microscopy, the intensity of the light being regulated. The invention furthermore concerns a scanning microscope for scanning a specimen whereby light intensity regulation is applied. Methods of the generic type are used in a number of fields, light intensity regulation serving principally to make available a light source having a constant light intensity regardless of time. A constant light intensity is a prerequisite for quantitative investigations.

[0002] In the presence of a low signal-to-noise ratio, in particular in confocal fluorescent laser scanning microscopy, the "auto-gain" method is utilized. Purely by way of example, reference is made to US Patent 4,412,246, which describes, per se, a method for adapting a polarization or interference video microscope system using an auto-gain method. In the auto-gain method the gain of the detectors, for example of photomultipliers, is adapted, during data recording or during optical-light scanning of a specimen, to the dynamic range of the measured signals that is actually present, so that with a constant illumination intensity, the available image information is then